SCOTT THOMPSON EXECUTIVE DIRECTOR



REDACTED VERSION

MARY FALLIN GOVERNOR

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

August 20, 2014



Dear Mr. (b) (6):

The Oklahoma Department of Environmental Quality (DEQ) sampled water from your house well on June 26, 2014 as part of a reoccurring sampling event that will be performed approximately every three months. DEQ has offered this sampling to residents that live on, or adjacent to the Wilcox Oil Company Superfund Site. You are receiving this letter because you have provided DEQ permission to enter your property and collect a water sample from your well.

DEQ sampled for three types of contaminants that can be found on historical refinery locations. Those are: Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs) and Metals.

The first two pages of the sampling data are for VOCs. Results of the sampling are located in the Results column. The "<" symbol indicates that the substance was not detected in the sample. The next six pages are for SVOCs, and the last two pages for Metals. The "<" symbol in the Qualifier column indicates that the substance was not detected.

No VOC chemicals were detected in the water samples. One metal, Barium, was detected at low levels and is not considered to be a health risk. One SVOC, Bis(2-ethylhexyl)phthalate, was detected in one of the two SVOC samples (see seventh page). It is believed that the presence of this contaminant is either from the PVC used in the construction of the new well on your property or from plastics used in the laboratory equipment to run the analysis of your sample. DEQ will continue to monitor for this contaminant in future samples.

The purpose of this sampling event was not to fully define the extent or type of contamination that may be present on the Wilcox Site. All potential health risks from the Site are unknown at this time. Further soil, sediment, surface water and ground water testing will be required in the future to determine how best to clean up the Wilcox Site.

If you have questions about this letter or the sampling data, do not hesitate to call me at (405) 702-5136. Please contact Bart Canellas with the U.S. Environmental Protection Agency at (214) 665-6662 with any questions about the EPA Superfund process or plans for the Wilcox Site.

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

Sincerely,

Todd Downham

Project Manager, Wilcox Oil Company Superfund Site

Land Protection Division

Oklahoma Department of Environmental Quality

c. Bart Canellas, U.S. EPA Dallas





State Environmental Laboratory Services Division

EPA DRINKING WATER CERTIFICATION #OK00013

General Inquiries: 1-866-412-3057

SAMPLE INFORMATION

Sample Number:

Sample Address:

045614.005

Collected By: TD

Description:

WR-5

Collected:

6/26/14 11:30 am

Received:

6/27/14 9:27 am

TEST RESULTS

Analysis:

Volatile Organic Compounds

Analysis Method:

EPA 524.3

Component Name	Result	Unit	Qualifiers	Analyst	Analysis Date
1,1,1-Trichloroethane	<0.5	μg/L		OFP	7/1/14
1,1,2-Trichloroethane	<0.5	μg/L		OFP	7/1/14
1,1-Dichloroethene	<0.5	μg/L		OFP	7/1/14
1,2,4-Trichlorobenzene	<0.5	μg/L		OFP	7/1/14
1,2-Dichlorobenzene	<0.5	μg/L		OFP	7/1/14
1,2-Dichloroethane	<0.5	μg/L		OFP	7/1/14
1,2-Dichloropropane	<0.5	μg/L		OFP	7/1/14
1,4-Dichlorobenzene	<0.5	μ g/ L		OFP	7/1/14
Benzene	<0.5	µg/L		OFP	7/1/14
Carbon Tetrachloride	<0.5	μg/L		OFP	7/1/14
Chlorobenzene	<0.5	μg/L		OFP	7/1/14
cis-1,2-Dichloroethene	<0.5	μg/L		OFP	7/1/14
Ethylbenzene	<0.5	μg/L		OFP	7/1/14
Methyl tert-Butyl Ether (MtBE)	<0.5	μg/L		OFP	7/1/14
Methylene Chloride	<0.5	μg/L		OFP	7/1/14
Styrene	<0.5	μg/L		OFP	7/1/14
Tetrachloroethene	<0.5	μg/L		OFP	7/1/14
Toluene	<0.5	μg/L		OFP	7/1/14
trans-1,2-Dichloroethene	<0.5	μg/L		OFP	7/1/14
Trichloroethene	<0.5	μg/L		OFP	7/1/14
Vinyl Chloride	<0.5	μg/L.		OFP	7/1/14
Xylenes	<0.5	μg/L		OFP	7/1/14
	Tentatively Identified C	Carrier Country and Country an	lts are estimate	Britis and Secretarion Supplied Commercial Secretarion	
Tetrahydrofuran	.527	μg/L		OFP	7/1/14



State Environmental Laboratory Services Division

EPA DRINKING WATER CERTIFICATION #OK00013

General Inquiries: 1-866-412-3057

SAMPLE INFORMATION

Sample Number:

045614.006

Collected By: TD

Description:

WR-6

Collected:

6/26/14 11:30 am

Sample Address:

Received:

6/27/14 9:27 am

TEST RESILES

Volatile Organic Compounds Analysis:

Analysis Method:

EPA 524.3

Component Name	Result	Unit	Qualifiers	Analyst	Analysis Date
1,1,1-Trichloroethane	<0.5	μg/L		OFP	7/1/14
1,1,2-Trichloroethane	<0.5	μg/L		OFP	7/1/14
1,1-Dichloroethene	<0.5	μg/L		OFP	7/1/14
1,2,4-Trichlorobenzene	<0.5	μg/L		OFP	7/1/14
1,2-Dichlorobenzene	<0.5	μg/L		OFP	7/1/14
1,2-Dichloroethane	<0.5	μg/L		OFP	7/1/14
1,2-Dichloropropane	<0.5	μg/L		OFP	7/1/14
1,4-Dichlorobenzene	<0.5	μg/L		OFP	7/1/14
Benzene	<0.5	μg/L		OFP	7/1/14
Carbon Tetrachloride	<0.5	μg/L		OFP	7/1/14
Chlorobenzene	<0.5	μg/L		OFP	7/1/14
cis-1,2-Dichloroethene	<0.5	μg/L		OFP	7/1/14
Ethylbenzene	<0.5	μg/L		OFP	7/1/14
Methyl tert-Butyl Ether (MtBE)	<0.5	μg/L		OFP	7/1/14
Methylene Chloride	<0.5	μ g/L		O F P	7/1/14
Styrene	<0.5	μg/L		OFP ⁻	7/1/14
Tetrachloroethene	<0.5	μg/L		OFP	7/1/14
Toluene	<0.5	μg/L		OFP	7/1/14
trans-1,2-Dichloroethene	<0.5	μg/L		OFP	7/1/14
Trichloroethene	<0.5	μg/L		OFP	7/1/14
Vinyl Chloride	<0.5	μg/L		OFP	7/1/14
Xylenes	<0.5	μg/L		OFP	7/1/14

Tetrahydrofuran .558 μg/L OFF 7/1/14 Sample Number: 538357 Project Code: SW-WE

Agency Number:

Date Collected: 6/26/2014
Time Collected: 1130
Date Received: 6/27/2014
Date Completed: 07/07/2014

Collected By: TI

PWS Id:

Location Code:

Station: Facility:

Report Date: 7/7/2014

To: TODD DOWNHAM/LPD

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE ENVIRONMENTAL LABORATORY

707 N. ROBINSON OKLAHOMA CITY OKLAHOMA, 73102-6010

General Inquiries: 1-866-412-3057 or selsd@deq.ok.gov

Report of Analysis by GCMS

EPA Drinking Water Certification #OK00013

CC: FILE COPY

Name	Qualifi	er	Value	Units	Analyzed	Method	Ргер Туре
Dilution Factor, Extractab	*	<u>.</u>	1.05	· · · · · · · · · · · · · · · · · · ·	07/03/14		
Acenaphthylene		<	21.0	\mathtt{UG}/L	07/03/14	8270DM	
Acenaphthene		<	21.0	\mathtt{UG}/L	07/03/14	8270DM	
Anthracene		<	21.0	\mathtt{UG}/\mathtt{L}	07/03/14	8270DM	
Benzo(b) fluoranthene		<	21.0	\mathtt{UG}/\mathtt{L}	07/03/14	8270DM	
Benzo(k)fluoranthene		<	21.0	\mathtt{UG}/L	07/03/14	8270DM	
Benzo(a)pyrene		<	21.0	\mathtt{UG}/L	07/03/14	8270DM	
Bis(2-chloroethyl)ether		<	21.0	\mathtt{UG}/\mathtt{L}	07/03/14	8270DM	
Bis(2-chloroethoxy)methane		<	21.0	\mathtt{UG}/\mathtt{L}	07/03/14	8270DM	
Bis(2-chloroisopropyl)ether	u uj	<	21.0	\mathtt{UG}/L	07/03/14	8270DM	
Butylbenzylphthalate		<	21.0	UG/L	07/03/14	8270DM	
Chrysene		<	21.0	UG/L	07/03/14	8270DM	
Diethylphthalate		<	21.0	UG/L	07/03/14	8270DM	
Dimethylphthalate		<	21.0	UG/L	07/03/14	8270DM	
Fluoranthene		<	21.0	UG/L	07/03/14	8270DM	
Fluorene		<	21.0	UG/L	07/03/14	8270DM	
Hexachlorocyclopentadiene	ŪJ	<	21.0	UG/L	07/03/14	8270DM	
Hexachloroethane in water		<	21.0	UG/L	07/03/14	8270DM	
Indeno(123cd)pyrene		<	21.0	UG/L	07/03/14	8270DM	
Isophorone		<	21.0	UG/L	07/03/14	8270DM	
Nitrosodipropylamine		<	21.0	UG/L	07/03/14	8270DM	
Nitrosodiphenylamine		< .	21.0	UG/L	07/03/14	8270DM	
Nitrobenzene		<	21.0	UG/L	07/03/14	8270DM	
p-Chloro-m-cresol		<	21.0	UG/L	07/03/14	8270DM	
Phenanthrene		<	21.0	UG/L	07/03/14	8270DM	
Pyrene		<	21.0	UG/L	07/03/14	8270DM	
Benzo(ghi)perylene		<	21.0	UG/L	07/03/14	8270DM	
Benzo(a)anthracene		<	21.0	UG/L	07/03/14	8270DM	8.6 mg.
Dibenzo(ah)anthracene		<	21.0	UG/L	07/03/14	8270DM	
2-Chloronaphthalene		<	21.0	\mathtt{UG}/L	07/03/14	8270DM	
2-Chlorophenol		<	21.0	UG/L	07/03/14	8270DM	
2-Nitrophenol		<	21.0	UG/L	07/03/14	8270DM	
Di-n-octylphthalate		<	21.0	UG/L	07/03/14	8270DM	
- -							

Sample Number: 538357 Project Code: SW-WE

Agency Number:

Date Collected: 6/26/2014 Time Collected: 1130

Date Received: 6/27/2014 Date Completed: 07/07/2014

Collected By:

PWS Id:

Location Code:

Station: Facility:

Report Date: 7/7/2014

To: TODD DOWNHAM/LPD

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE ENVIRONMENTAL LABORATORY

707 N. ROBINSON **OKLAHOMA CITY** OKLAHOMA, 73102-6010

General Inquiries: 1-866-412-3057 or selsd@deq.ok.gov

Report of Analysis by GCMS

EPA Drinking Water Certification #OK00013

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	21.0	UG/L	07/03/14	8270DM	
2,4-Dimethylphenol	<	21.0	UG/L	07/03/14	8270DM	
2,4-Dinitrotoluene	<	21.0	ΰG/L	07/03/14	8270DM	
2,4-Dinitrophenol	<	21.0	ng/r	07/03/14	8270DM	
2,4,6-Trichlorophenol	<	21.0	UG/L	07/03/14	8270DM	
2,6-Dinitrotoluene	<	21.0	UG/L	07/03/14	8270DM	
3,3'-Dichlorobenzidine	<	21.0	UG/L	07/03/14	8270DM	
4-Bromophenylphenyl ether	<	21.0	UG/L	07/03/14	8270DM	
4-Chlorophenyl phenylether	<	21.0	UG/L	07/03/14	8270DM	
4-Nitrophenol	<	21.0	UG/L	07/03/14	8270DM	
4,6-Dinitro-o-cresol	<	21.0	UG/L	07/03/14	8270DM	
Phenol	<	21.0	UG/L	07/03/14	8270DM	
Naphthalene	<	21.0	UG/L	07/03/14	8270DM	
Pentachlorophenol	<	21.0	υG/L	07/03/14	8270DM	
Bis(2-ethylhexyl)phthalate	. <	21.0	UG/L	07/03/14	8270DM	
Di-n-butylphthalate	<	21.0	UG/L	07/03/14	8270DM	
Hexachlorobenzene	<	21.0	UG/L	07/03/14	8270DM	
Hexachlorobutadiene	<	21.0	UG/L	07/03/14	8270DM	
Dibenzofuran	<	21.0	UG/L	07/03/14	8270DM	
2-Methylnaphthalene	<	21.0	UG/L	07/03/14	8270DM	
2-Methylphenol	<	21.0	UG/L	07/03/14	827 0 DM	
4-Methylphenol	<	21.0	ug/L	07/03/14	8270DM	
2,4,5-Trichlorophenol	<	21.0	UG/L	07/03/14	8270DM	
4-Chloroaniline	<	21.0	UG/L	07/03/14	8270DM	
2-Nitroaniline	<	21.0	UG/L	07/03/14	8270DM	
3-Nitroaniline	<	21.0	UG/L	07/03/14	8270DM	
4-Nitroaniline	<	21.0	UG/L	07/03/14	8270DM	
1,4-Dichlorobenzene	<	21.0	UG/L	07/03/14	8260BM	
1,2,4-Trichlorobenzene	<	21.0	UG/L	07/03/14	8260BM	

	SURROGATE RECOVERIES	
COMPOUND		RECOVERY %

2,4,6-TRIBROMOPHENOL

NITROBENZENE-D5

70

Sample Number: 538357 Project Code: SW-WE

Agency Number:

Date Collected: 6/26/2014

Time Collected: 1130

Date Received: 6/27/2014 Date Completed: 07/07/2014

Collected By:

PWS Id:

Location Code:

Station: Facility:

Report Date: 7/7/2014

To: TODD DOWNHAM/LPD

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE ENVIRONMENTAL LABORATORY

707 N. ROBINSON OKLAHOMA CITY OKLAHOMA, 73102-6010

General Inquiries: 1-866-412-3057

or selsd@deq.ok.gov

Report of Analysis by GCMS

EPA Drinking Water Certification #OK00013

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COMPOUND	SURROGATE RECOVERIES	RECOVERY %	
PHENOL-D5		25	
2-FLUOROBIPHENYL		60	
2-FLUOROPHENOL		38	
P-TERPHENYL-D14		92	

	,		· ·		
	TENTATIVELY	IDENTIFIED	BY		I
COMPOUND	NBS LIBRARY	SEARCH	VALUE	UNITS	l

NA

Summary

Labs performing analysis on this Sample:

Metals

GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 1.3

ANALYST'S COMMENTS:

Rachel M. Allen (8270DM).

(UJ) The material was analyzed for but was not detected at or above the reporting limit (RL).

The associated value is an estimate and may be inaccurate or imprecise.

Sample Number: 538358
Project Code: SW-WE

Agency Number:

Date Collected: 6/26/2014
Time Collected: 1130
Date Received: 6/27/2014
Date Completed: 07/07/2014

Collected By: TI

PWS Id:

Location Code:

Station: Facility:

Report Date: 7/7/2014

To: TODD DOWNHAM/LPD

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE ENVIRONMENTAL LABORATORY

707 N. ROBINSON OKLAHOMA CITY OKLAHOMA, 73102-6010

General Inquiries: 1-866-412-3057

or selsd@deq.ok.gov

Report of Analysis by GCMS

EPA Drinking Water Certification #OK00013

CC: FILE COPY

Name	Qualifier	•	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab			0.93		07/03/14	_	
Acenaphthylene		<	18.5	UG/L	07/03/14	8270DM	
Acenaphthene		<	18.5	UG/L	07/03/14	8270DM	
Anthracene		<	18.5	UG/L	07/03/14	8270DM	
Benzo(b)fluoranthene		<	18.5	UG/L	07/03/14	8270DM	
Benzo(k)fluoranthene		<	18.5	UG/L	07/03/14	8270DM	
Benzo(a)pyrene		<	18.5	UG/L	07/03/14	8270DM	
Bis(2-chloroethyl)ether		<	18.5	UG/L	07/03/14	8270DM	
Bis(2-chloroethoxy)methane		<	18.5	UG/L	07/03/14	8270DM	
Bis(2-chloroisopropyl)ether	עט ו	<	18.5	UG/L	07/03/14	8270DM	
Butylbenzylphthalate		<	18.5	UG/L	07/03/14	8270DM	
Chrysene		<	18.5	UG/L	07/03/14	8270DM	
Diethylphthalate		<	18,5	UG/L	07/03/14	8270DM	
Dimethylphthalate		<	18.5	UG/L	07/03/14	8270DM	
Fluoranthene		<	18.5	UG/L	07/03/14	8270DM	
Fluorene		<	18.5	UG/L	07/03/14	8270DM	
Hexachlorocyclopentadiene	UJ ·	<	18.5	UG/L	07/03/14	8270DM	
Hexachloroethane in water		<	18.5	UG/L	07/03/14	8270DM	
Indeno(123cd)pyrene		<	18.5	UG/L	07/03/14	8270DM	
Isophorone		<	18.5	UG/L	07/03/14	8270DM	
Nitrosodipropylamine		<	18.5	UG/L	07/03/14	8270DM	
Nitrosodiphenylamine		<	18.5	UG/L	07/03/14	8270DM	
Nitrobenzene		<	18.5	UG/L	07/03/14	8270DM	
p-Chloro-m-cresol		<	18.5	UG/L	07/03/14	8270DM	
Phenanthrene		<	18.5	UG/L	07/03/14	8270DM	
Pyrene		<	18.5	UG/L	07/03/14	8270DM	
Benzo(ghi)perylene		<	18.5	UG/L	07/03/14	8270DM	
Benzo(a)anthracene		<	18.5	UG/L	07/03/14	8270DM	
Dibenzo(ah)anthracene		<	18.5	UG/L	07/03/14	8270DM	
2-Chloronaphthalene		<	18.5	UG/L	07/03/14	8270DM	
2-Chlorophenol		<	18.5	UG/L	07/03/14	8270DM	
2-Nitrophenol		<	18.5	UG/L	07/03/14	8-270DM	
Di-n-octylphthalate		<	18.5	UG/L	07/03/14	8270DM	
2 1							

Sample Number: 538358 Project Code:

Agency Number:

Date Collected: 6/26/2014 Time Collected: 1130 Date Received: 6/27/2014 Date Completed: 07/07/2014

Collected By:

PWS Id:

Location Code:

Station: Facility:

7/7/2014 Report Date:

To: TODD DOWNHAM/LPD

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE ENVIRONMENTAL LABORATORY

707 N. ROBINSON **OKLAHOMA CITY** OKLAHOMA, 73102-6010

General Inquiries: 1-866-412-3057 or selsd@deq.ok.gov

Report of Analysis by GCMS

EPA Drinking Water Certification #OK00013

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	18.5	UG/L	07/03/14	8270DM	-
2,4-Dimethylphenol	<	18.5	UG/L	07/03/14	8270DM	
2,4-Dinitrotoluene	<	18.5	UG/L	07/03/14	8270DM	
2,4-Dinitrophenol	<	18.5	UG/L	07/03/14	8270DM	
2,4,6-Trichlorophenol	. <	18.5	UG/L	07/03/14	8270DM	
2,6-Dinitrotoluene	<	18.5	UG/L	07/03/14	8270DM	
3,3'-Dichlorobenzidine	<	18.5	UG/L	07/03/14	8270DM	
4-Bromophenylphenyl ether	<	18.5	UG/L	07/03/14	8270DM	
4-Chlorophenyl phenylether	<	18.5	UG/L	07/03/14	8270DM	
4-Nitrophenol	<	18.5	UG/L	07/03/14	8270DM	
4,6-Dinitro-o-cresol	<	18.5	UG/L	07/03/14	8270DM	
Phenol	<	18.5	UG/L	07/03/14	8270DM	
Naphthalene	<	18.5	UG/L	07/03/14	8270DM	
Pentachlorophenol	<	18.5	UG/L	07/03/14	8270DM	
Bis(2-ethylhexyl)phthalate		24.3	UG/L	07/03/14	8270DM	
Di-n-butylphthalate	<	18.5	UG/L	07/03/14	8270DM	
Hexachlorobenzene	<	18.5	UG/L	07/03/14	8270DM	
Hexachlorobutadiene	<	18.5	UG/L	07/03/14	8270DM	
Dibenzofuran	<	18.5	UG/L	07/03/14	8270DM	
2-Methylnaphthalene	<	18.5	UG/L	07/03/14	8270DM	
2-Methylphenol	<	18.5	UG/L	07/03/14	8270DM	
4-Methylphenol	<	18.5	UG/L	07/03/14	8270DM	
2,4,5-Trichlorophenol	<	18.5	UG/L	07/03/14	8270DM	
4-Chloroaniline	<	18.5	UG/L	07/03/14	8270DM	
2-Nitroaniline	<	18.5	UG/L	07/03/14	8270DM	
3-Nitroaniline	< '	18.5	UG/L	07/03/14	8270DM	
4-Nítroaniline	<	18.5	UG/L	07/03/14	8270DM	
1,4-Dichlorobenzene	<	18.5	UG/L	07/03/14	8260BM	
1,2,4-Trichlorobenzene	<	18.5	UG/L	07/03/14	8260BM	

SURROGATE RECOVERIES RECOVERY % COMPOUND

2,4,6-TRIBROMOPHENOL

NITROBENZENE-D5

45

72

Sample Number: 538358 Project Code: SW-WE

Agency Number:

Date Collected: 6/26/2014

Time Collected: 1130

Date Received: 6/27/2014
Date Completed: 07/07/2014

Collected By: TI

PWS Id:

Location Code:

Station: Facility:

Report Date: 7/7/2014

To: TODD DOWNHAM/LPD

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE ENVIRONMENTAL LABORATORY

707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010

General Inquiries: 1-866-412-3057

or selsd@deq.ok.gov

Report of Analysis by GCMS

EPA Drinking Water Certification #OK00013

CC: FILE COPY

COMPOUND	SURROGATE RECOVERIES	RECOVERY %	
2-FLUOROBIPHENYL		50	
2-FLUOROPHENOL		31	
P-TERPHENYL-D14		91	
PHENOL-D5		20	

	TENTATIVELY	IDENTIFIED	BY		TD17.00
COMPOUND	NBS LIBRARY	SEARCH		VALUE	UNITS
4					

NA

Summary

Labs performing analysis on this Sample:

Metals

GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

(b) (b)

WR-6

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 1.3

ANALYST'S COMMENTS:

Rachel M. Allen (8270DM).

(UJ) The material was analyzed for but was not detected at or above the reporting limit (RL). The associated value is an estimate and may be inaccurate or imprecise.

* אואז.עפיד

Sample Number: 538358 Project Code: SW-WE

Agency Number:

Date Collected: 6/26/2014
Time Collected: 1130
Date Received: 6/27/2014
Date Completed: 07/18/2014

Collected By: TD

PWS Id:

Location Code:

Station: Facility:

Report Date: 7/18/2014

To: TODD DOWNHAM/LPD

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE ENVIRONMENTAL LABORATORY

707 N. ROBINSON OKLAHOMA CITY OKLAHOMA, 73102-6010

General Inquiries: 1-866-412-3057 or selsd@deq.ok.gov

Report of Analysis by Metals

EPA Drinking Water Certification #OK00013

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Ргер Туре
Arsenic, Total	<	2.00	UG/L	07/16/14	200.8	200.8
Barium, Total		75.6	UG/L	07/16/14	200.8	200.8
Beryllium, Total	<	2.00	UG/L	07/16/14	200.8	200.8
Cadmium, Total	<	2.00	UG/L	07/16/14	200.8	200.8
Chromium, Total	<	5.00	UG/L	07/16/14	200.8	200.8
Copper, Total	. <	5.00	UG/L	07/ 1 6/14	200.8	200.8
Lead, Total	<	5.00	UG/L	07/16/14	200.8	200.8
Thallium, Total	<	1.00	UG/L	07/16/14	200.8	200.8
Nickel, Total	<	10.0	UG/L	07/16/14	200.8	200.8
Silver, Total	. <	10.0	UG/L	07/16/14	200.8	200.8
Zinc, Total	. <	10.0	UG/L	07/16/14	200.8	200.8
Antimony, Total	<	2.00	UG/L	07/16/14	200.8	200.8
Selenium, Total	<	10.0	UG/L	07/16/14	2,00.8	200.8
Mercury, Total	<	0.05	UG/L	07/09/14	200.8	200.8

Summary

Labs performing analysis on this Sample:

Metals

GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

b) (6) WR - 6

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 1.3

ANALYST'S COMMENTS:

(T) Turbidity measured to be

Goode

* ANALYST

Greg Goode

State Environmental Laboratory

Sample Number: 538357 Project Code: SW-WE

Agency Number:

Date Collected: 6/26/2014
Time Collected: 1130
Date Received: 6/27/2014
Date Completed: 07/18/2014

Collected By: TD

PWS Id:

Location Code:

Station: Facility:

Report Date: 7/18/2014

To: TODD DOWNHAM/LPD

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE ENVIRONMENTAL LABORATORY

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Report of Analysis by Metals

EPA Drinking Water Certification #OK00013

CC: FILE COPY

Name	Qualifier	Value	Units	A nal yzed	Method	Prep Type
Arsenic, Total	<	2.00	UG/L	07/16/14	200.8	200.8
Barium, Total		76.8	UG/L	07/16/14	200.8	200.8
Beryllium, Total	<	2.00	UG/L	07/16/14	200.8	200.8
Cadmium, Total	<	2.00	UG/L	07/16/14	200.8	200.8
Chromium, Total	<	5.00	UG/L	07/16/14	200.8	200.8
Copper, Total	<	5.00	UG/L	07/16/14	200.8	200.8
Lead, Total	<	5.00	UG/L	07/16/14	200.8	200.8
Thallium, Total	<	1.00	UG/L	07/16/14	200.8	200.8
Nickel, Total	<	10.0	UG/L	07/16/14	200.8	200.8
Silver, Total	<	10.0	UG/L	07/16/14	200.8	200.8
Zinc, Total	<	10.0	UG/L	07/16/14	200.8	200.8
Antimony, Total	<	2.00	UG/L	07/16/14	200.8	200.8
Selenium, Total	<	10.0	UG/L	07/16/14	200.8	200.8
Mercury, Total	<	0.05	UG/L	07/09/14	200.8	200.8

Summary

Labs performing analysis on this Sample:

Metals

GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

vr.-5

SAMPLE RECEIVING COMMENTS: ICE; SAMPLE= 1.3

ANALYST'S COMMENTS:

(T) Turbidity measured to be 6 1 NTU

* ANALYST

Greg Goode

State Environmental Laboratory